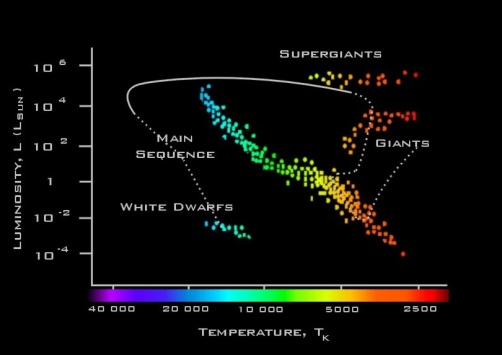
Stars

Are stars at different distances from the Earth?

Star – large, hot ball of gas – which is held together by gravity and gives off its own light.

Light Year – How astronomers describe distances in space. It is the distance light will travel in a year – about 9 trillion kilometers.

What properties does a star have?

[](http://www.le.ac.uk/ph/faulkes/web/images/hrpn.jpg) The color of a star is related to the surface temperature

The coolest - red/orange

Hotter – yellow

Hottest – blue/white <http://www.bing.com/images/search?q=temerature+of+stars&view=detail&id=88DB999DC403EB70B02BD5F0591E3D8C9225E1FB&first=91&FORM=IDFRIR>

Are Brightness and Temperature Related?

A white dwarf is a small dim star that is neither hot nor cold

Brightest Coolest

Supergiant Red

Giants Orange

Main Sequence Stars Yellow

White Dwarfs White

Blue

Dimmest Hottest